Apr 91

Scope

W6NWG

Palomar Amateur Radio Club Inc.

POST OFFICE BOX 1603, VISTA, CALIFORNIA 92085-0530

W6NWG/R => 146.730- 449.425-(107.2) 145.050(Pkt)(NET/ROM NODE) Club 14_.___(s)/446.000(s)
KA6UAI/R 147.130+,Patch,Links:10m&446.400-,107.2 WA6IPD/R 146.175+(Patch)(107.2) 220 Club WD6HFR/R 224.900-

V O L X X V I, N O. 4 A P R I L 1 9 9 1 5 5 y e a r s

April 3rd meeting(1st Wed) is at Lincoln Middle School Cafeteria in Vista. I-5 or I-15 to Rd.78, Escondido Ave(Sunset) ramp, north on Esc.Ave, after 2nd light between Eucalyptus and E.Vista Way. Talk in .730.

What you should know:

H A M C A L E N D A R

Mar 30-31 - CQ WW WPX ContestSSB
Apr 3 Wed - PARC CLub Meeting
Apr 4 Thu - STS37 Shuttle Launch
Apr 11 Thu - PARC Executive Mtg.
Apr 13 Sat - PARC VE Test, AA6OM
Apr 20 Sat - EARS DFing,ck 146.88
Apr 22 Mon - EARSauctionEscondido
May 25-26 - CQ WW WPX Contest CW
(Send calendar items to W9FQN)

C O N T E N T S

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Repeaters, Autopatches 4
FORSALE, EARS Auction, Wanted . 5
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Ads: KI6GI, Palomar Engineers . 7
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L A S T C L U B M E E T I N G

The March 6th program consisted of a very informative show-n-tell on various types of interference and how to attack the problems by Bill Smith-KB6MCU. Bill also talked about the recent FCC inspections of amateur stations in S.D. Co. The FCC was requiring an actual radio demonstration contact on HF. Then they "nailed" you for using TOO MUCH POWER and not having a recent copy of Part 97 of the rules and regulations. If you are out jogging or walking with your HT, you had better have a copy of your FCC license with you! Bill, who is also a member of the El Cajon Club, presented to PARC a Field Day engraved trophy for being #1 among the SANDARC clubs in S.D. Co. We were #2 in the United States.

Attending were 74 members and 20 guests who enjoyed the coffee and goodies. Several members were observed not "signing in" but a head count indicated 101 attending which is the second time in the history of the club that we have exceeded 100. Art-KB6YHZ supervised the coffee and Kieko the refreshment table.

N E X T C L U B M E E T I N G

Our next club meeting will be April 3rd at 7:30pm in the Lincoln Middle School on Escondido Avenue in Vista. The program will be on wire antennas by Rudy Plak-W6TIK who will display some of the commercial antennas he makes in Escondido.

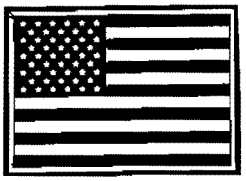
SHOW AND TELL will feature a portable 6m and 2m beam plus a cheap "J" antenna for your 2m HT. Anyone else have something of interest?

W A N T to B E a H A M ?
(or Dial-a-Ham)

If you or a friend are interested in becoming an amateur radio operator or in joining the Palomar Amateur Radio Club, please contact one of the ELMERS listed here for more information:

- - -

VALLEY CENTER, 749-0276
StanRohrer-W9FQN,Editor(temp),Pres
VISTA, 598-0420
Jack Hanthorn-KI6JM . V-President
BONSALL, 728-3574
Nash Williams-W6HCD . . Secretary
CARL$BAD, 729-5161
Benton Caldwell-KK6LX . Treasurer
ESCONDIDO, 741-2560
Jo Ashley-KB6NMK . . . Membership
CARDIFF: Duane Stedman:WB6R:753-4821
CARLSBAD:EleanoreCall:N6QJE:729-0850
ChulaVistaBetyMahoneyKB6DGR:420-2277
DEL MAR:GerrySanford:KC6BJM:755-5244
ENCINITAS:DaveCopley:WA6HQM:753-2605
FALLBROOK:ArtRideout:WA6IPD:728-6834
La MESA: Roger Jaffe: N6UUW:697-6025
LAKESIDE:Mac McBride:WB6GXR:561-2211
LEUCADIA: Bud Lincoln:KG6VX:436-9983
LinVista:PaulWilliams:KB5MU:571-8585
MIRA MESA: Ron Earl: W6TXK:566-1959
OCEANSIDE:LarryGugle:KC6PEN:439-4109
OCEANSIDE: Lloyd Hunt:W6TFB:757-9374
PAUMA-PALA:Mark Ross:KC6CZO:742-1539



PointLom:MickMcDaniel:W6FGE:222-3912
POWAY:MarkSchlesinger:N6NNI:748-8391
RAMONA: Vernon Leming:AA6UU:789-3070
RanchoPen:John Tentor:W6OLQ:672-3891
RanchoS.Fe:RonWilhelmy:WI6B:756-3133
S.D.:Dennis Vernacchia:N6KI:271-6079
SanMARCOS:RustyMassie:AA6OM:747-5872
SanMARCOS:FloydHarvey:W6JSP:741-8391
SolanaBe:LouBroadbent:N6CKQ:755-9179

PARC members: if your area is not represented above and you would like to serve as an ELMER in your area to get someone started in amateur radio, please contact W9FQN. Your responsibility would be to introduce them to PARC and club meetings, Ham Radio Outlet, Radio Shack Ham "starter" packages, etc., and other local amateurs. You would serve as "their" first local Ham contact. You need not serve as their ELMER unless you want to do so. Your main function is to tell them "where to go."

Ron-W6TXK sometimes conducts classes in the MIRA MESA area so contact him for the latest information on the starting of his new classes, 566-1959.

POINT LOMA NOVICE INSTRUCTION and TESTING: contact Mick McDaniel, W6FGE and friends, 222-3912.

EL CAJON area is covered by the El Cajon Club with Bill Smith-KB6MCU as the instructor, 582-2313, and EARS in Escondido sometimes conducts classes.

The club has some code tapes available if beginners find some of the "starter" packages a little too expensive, but they still will need a current test booklet. We also have some IBM compatible disks of a great code program available at club meetings. If you have a good code program, please make up a disk with it and several other programs for us to get new hams started. The club will exchange disks with you. We need programs for Apple and C-64's. We presently have programs for IBM and Radio Shack Mod III & IV.

One of our members from Fallbrook, Ray-KK6CA, has consented to make up special code tapes for those wanting special types of code practice material. Please bring in your blank cassetts and be prepared to tell Ray what type of practice you want.

For those club members who borrowed code disks from W9FQN or KB5MU, we would like to have you make copies of the disks and return them to us at the next meeting so that we can make the disks available to other members and prospective amateurs. Thanks.

- BK -

E X E C U T I V E M E E T I N G

The Executive Committee, consisting of the officers of the Club and the Chairmen of its committees, meets at 7:30 p.m. on 2nd Thursday after the club meeting at the home of various of its members. You are welcome to attend these meetings. Contact any executive member for additional information on executive committee meetings.

DISCUSSED: appointment of Eleanore-N6QJE as "Care Chairwoman", possible programs for next three months, Novice-Tech training classes, finances, N6OEI request for 900MHz equipment, Larry-KC6PEN appointment as another control operator, DFing of a signal on 146.730, SCOPE problems with ads, SCOPE label additions, stations using the repeaters for relaying their touchtone codes for tone coded squelch which many of the new rigs have with possible solutions to the problem, and phone company regulations which prevent PARC from showing up on the 911 computer screen. After the meeting, John-WB6IQS took us back into his workroom and showed us the new battery charging equipment, control circuits, and the new 146.730 repeater he is working on.

APPROVED: moving Fri code net to Wed, changing name of Sun. morning ARES net to the PARC Emergency Service net (with ARES info), allowing the new ARES EC's to start up a new ARES net Sunday evening at 2100Hrs (9pm) for ARES members only, re-scheduling of 17th workparty because of bad weather, accepting donations of two slip-up masts and 35' tower, and approving the printing of new contract forms.

IN ATTENDANCE: (officers) Stan-W9FQN, Jack-KI6JM, Nash-W6HCD, and Benton-KK6LX; (others) John-WB6IQS & Steve-N6UIA. The March meeting was at John-WB6IQS's QTH and we all enjoyed the drink and homemade bread. The April meeting will be at WB6IQS(#2), Vista.

de EL P R E S I D E N T E #9

I am amazed at the distances that quite a few of our members travel to come to our meetings and I noticed that more and more are car pooling, then eating dinner together before the meeting. When we have introductions, look around and see if you can become part of a group coming to meetings. Part of belonging to PARC is the friendship that can be experienced by interacting with other members. Its great to be able to learn from each other. Why not get an "official badge" from John-W6OLQ so we can see who we are talking to?

73, Stan W 9 F Q N

N E W S L E T T E R H E L P E R S
- March 1991 SCOPE -

Members,Ads-Art, Jo Ashley .. KB6NMK
Membership Data, Bill Whipple N6COU
Ad billing $$$, John Tentor . W6OLQ
Folding/Staples, Jack Hanthorn KI6JM
also provided QTH & refresments
Folding/Staples, Bill Whipple N6COU
also roster and label printing
Sorting-Labels, BentonCaldwell KK6LX
Mail/fold . . . Eleanore Call N6QJE
Printing/Forms, Stan Rohrer . W9FQN

Happy Easter!

Printed 415 Mailed 385

Without these people life would certainly be difficult (de W9FQN).

R E C O G N I T I O N of

Howard Gates-W4NYU for the donation of a 30' slip-up mast and an 8 element 2m beam. Howard and XYL are moving to Las Vegas soon but will be visiting the SD area (Santee) from time to time. The mast will be used for Field Day (FD) and the beam on a 2m project that is being planned. "Pickup" was by W9FQN and he also picked up the 35' tower, and a 30' slip up mast at Dennis-N6KI's QTH which was donated earlier by Ed-K6ICG. Dennis donated some aluminum tubing towards the 10m beam and says we are going to be NUMBER 1 in Field Day this year so all of these items will help us towards our goal. Thanks to everyone.

- BK -

LARRY E. GUGLE
Business Lic.#500021, USMC (Ret)

-KC6PEN-

STCR REPAIR SHOP

Sarge's Two-way Communications Repair
25 years communications equipment maintenance experience for the USMC. Specializing in HF & VHF Transceiver & RF power amplifier repairs.

50% OFF labor to PARC members

PARC member
Repairs by appointment

NEW

Eleanore-N6QJE for taking over the chairmanship of the club's Care Committee and for consenting to write up several "interviews" for the SCOPE.

- BK -

Barbara-KA6FPS (mobile) and KC6PEN (base) for reporting a motorcycle accident on I-15 March 6th. New members should be reminded to use BREAK-BREAK as an EMERGENCY break to enter a conversation. A normal break is to just use your call (ie KA6FPS). A BREAK is a little stronger and indicates more urgency than just you call letters. BREAKs are IMMEDIATELY acknowledged and EVERYTHING STOPS with a BREAK-BREAK!

++++++++++++++ SK ++++++++++++++++
+ - W B 6 B H E - +
+ V A N E S S A H A R V E Y +
+ Vanessa, wife of Floyd (W6JSP) +
+ was a long time PARC member and +
+ member of the Sunday morning ARES+
+ net. She passed away February 22 +
+ after a long time illness and she+
+ will be missed by those of us who+
+ knew her. +
++++++++++++++ SK ++++++++++++++++

Q U A K E S

The ability to forecast quakes is shaky at best and it looks as if we got by the December 2-3 quake alert without a tremlor. In China they evacuated Haicheng hours before a 7.3 quake, which leveled the city. There were few deaths because they "read" all the signs correctly. But only a year later a 7.6 quake got past their "system" and destroyed Tangshan, China. About 250,000 died. Earthquakes are like that.

The May 2, 1983, Coalinga earthquake registered 6.5 and seconds later was followed by a 5.0. Their schools suffered damage. WINDOWS: glass not tempered imploded littering the rooms with dagger-shaped pieces of glass, floor tiles and wooden furniture were gouged by flying splinters. LIGHTING FIXTURES: approximately 1,000 fluorescent bulbs fell and broke. CEILINGS: T-bar ceilings came down, and glued ceiling tiles fell. BASEMENTS: flooded to five feet destroying electrical supply and switching mechanisms. CHEMICAL: sulfuric acid and other chemicals overturned and broke with acid burning through the floor filling the rooms with toxic fumes. MISCELLANEOUS: file cabinets flew across rooms, bookcases fell, shelves fell over, machine shop lathes and presses fell over, typewriters flew through the air, and storage cabinets pulled out of the walls and fell to the floor. School was not in session!

AROUND THE WORLD OR AROUND TOWN

FULL-SERVICE TRAVEL PLANNING

LOREEN WILHELMY
-N6RAO-
619-756-2388

TRAVEL VISIONS
Encinitas, CA 92024

According to FEMA (Federal Emergency Management Agency), there is a 60% probability of a 7.5 or larger earthquake occuring on the San Andreas fault system in S. California during the next 30 years and a 50% probability of a 6.5-7.0 on the San Jacinto fault in the next 30 years. The All-Industry Research Advisory Council estimates that an earthquake measuring 7.5 in Los Angeles could kill about 17,000 people, cause severe injuries to 68,000 people and cause half a million less severe injuries.

The Rose Canyon fault has been recently upgraded to active. San

Diego County has within the last few years felt quakes from 20 miles southwest of Oceanside, Baja California, Sylmar, Whittier, and Palm Springs. Why does the club push our traffic nets, a PARC Emergency Net, an ARES net, Field Day, Sweepstakes, other contests, public service events, and Morse Code? Why does the club have two trailers, 3,360 AHr of batteries at the repeater site, five crankup towers, and a generator? Will we be ready FOR THE BIG ONE and can we do what will be required of us?

R E P E A T E R S, etc.

TECHNICAL: John Kuivinen.....WB6IQS
- - TRUSTEES - -
W6NWG/R: Ron Wilhelmy ...WI6B->
145.05(s)pkt,146.730(-),449.425(-)
KA6UAI/R: Erik Thompson, 147.130(+)
WA6IPD/R: Art Rideout, 146.175(+)
WD6HFR/R: Ron Berger-NE6T,224.900(-)
All CTCSS(PL) tones are 107.2

Jerry-WB6FMT is looking for a hilltop in the Vista/San Marcos area to put his 450 repeater. Contact WB6FMT or W9FQN if you know of such a place.

- BK -

REPEATER RULE#5: The problem you fixed was only one of several as you will soon discover at the bottom of Palomar Mountain.

- BK -

Remember that when there is a PL required on 147.130(+) that you can "knock" it off with your touch tone (TT) pad by sending *80.

- BK -

Our repeaters in the PARC bunker on Palomar Mt. at 5,600' cover 2,000 sq.mi. of SD.Co. and 100+ miles out to sea. It is club policy that these repeaters are open repeaaters FOR CLUB MEMBERS AND OCCASIONAL TRANSIENT USERS with the AUTO PATCHES being only for club members. Be FRIENDLY to those that you talk to and INVITE them to support the club with their membership. You can check their membership in PARC by asking them if they have seen something in the most recent SCOPE.

A U T O P A T C H E S

KA6UAI/R: Erik Thompson..#1..KA6UAI
ENCINITAS + surounding towns
KA6UAI/R: Jerry Hauser...#2..WB6FMT
VISTA + surounding towns
SAN DIEGO (activated Spring '91)
WA6IPD/R: Art Rideout...#4..WA6IPD
FALLBROOK + surounding towns

Jerry-WB6FMT comments on the VISTA autopatch: some radar buzz on uplink ..will add automatic gain amp so voice and dial tone the same level ..things going well ..if problems, let me know since I can't fix things that I am not aware of and I also need to know what brand of rig you are using ..some are using the wrong codes ..

If you are having consistent troubles ..suggest checking or considering the following: 1)key mike 1.0 sec before sending any tones, 2)have ur radio checked at shop for proper Touch-tones and deviation, 3)don't let finger slip off small keys resulting in "double" digits, 4)if you are receiving the repeater weakly or ur battery is weak, you might get the 3-digit code but probably will fail in the 7-digit number and leave it "un-completed", 4) not saying "XX6XXX CLEAR OF PATCH BEFORE sending the shutdown codes, and 6)two stations made calls that the FCC might question.

The following PARC members appear to be using the WB6FMT-Vista patch properly: W6LCT, N6NZX, KC6NRB, N6FMK, KC6QXU, KC6PPE, N6YMC, KK6MS, N6WTE, and KC6MTX. Everyone else is making one of the six errors listed above as observed from the 2nd week in February to the first week in March. Three non-members attempted to use the patch.

- BK -

Remember that we have provisions for "locking out" any prefex or any phone number that is not properly used. Jerry and PARC are happy with the way you are using the WB6FMT autopatch and we hope that those of you who are having problems will be able to correct them sometime soon. The wet weather has caused some problems with the "up-link" which will be worked on as soon as the weather improves. de WB6FMT/W9FQN

- BK -

Remember that for ALL autopatches you need 107.2Hz and to say -

- - push mic switch - -
1) N6YZZ(your call) ACCESS PATCH
2) dial proper 3-digit "up" access code->Encinitas/Vista/Fallbrook
- - let up on mic - -
3) listen for dial tone
- - push mic switch - -
4) dial 7-digit phone number
- - let up on mic - -
5) complete conversation
6) N6YZZ(your call) CLEAR PATCH
7) dial proper 3-digit "dwn" code (from your address label)
- - let up on mic - -

What you should do:

- EXAMPLE -

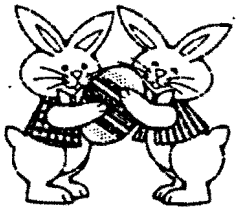
```
"_____BK_________BK_ _ _BK_________"
N6YZZ   (749-0276)  talk   N6YZZ
ACCESS                     CLEAR
PATCH                      PATCH
(*0X)                      (#0X)
```

The "__" in example above indicates your "push-to-talk" pushed and "X" is obtained from a club officer.

(copy for car & home use)

==========(ENCINITAS)==========
KA6UAI:147.13(+)(107.2)up*0X-dwn#0X)
Cardiff by Sea, Leucadia, Del Mar
Encinitas, Carlsbad, San Marcos
Rancho SF, Oceanside & Solana Beach
==========(VISTA)==========
WB6FMT:147.13(+)(107.2)up*0Y-dwn#0Y)
Escondido,Carlsbad, Fallbrook, Vista
Oceanside, San Marcos, Vally Center
==========(FALLBROOK)==========
WA6IPD:146.175+ (107.2)up*0Z-dwn#0Z)
Fallbrook, Oceanside, Pauma Vally
Pendleton, Valley Center, Vista

For Oceanside select the WA6IPD/R autopatch when in or near Fallbrook. On KA6UAI/R use the Vista patch (WB6FMT) for Oceanside.



F O R S A I L

If you have an item for sale, bring it to the SALE TABLE at the club meetings, tagged with name, call and minimum price, if any. The Club takes 10% and you go home with $$. PARC takes no % on the ads below and they are FREE to club members. The month of first being run is indicated by date at the beginning of the ad. PLEASE tell us when the item(s) are sold.

Deadline FORSAIL items is the 15th of the month addressed to the editor at his home address: 30311 Circle R Ln, V.C., CA 92082-9423.

SWAPMEETS: Dennis-N6KI, price$; John-WB6IQS, VHF, UHF, Hardline; Kerry-N6IZW, Microwave; Paul-KB5MU, Pkt, Computers; and Bill-KB6MCU, ATV.

ESCONDIDO ARS AUCTION

The Escondido Amateur Radio Society (EARS) will hold their annual club auction Monday evening at 7:30pm, April 22, with buyers coming in at 6:30. They meet at the North Co. Blind Activity Center on 157 East Valley Parkway (SW corner of Kalmia/E.V.Pky). PARC members are invited to participate in selling and buying, de WA6YOO, PARC member and president of EARS.

(3-17)1w AM BC xmtr can be converted to 160-40m, schematic, case, meters, mic, used as PA system in hotel, $50: Ray-W6BHF-487-4423-poway.

- BK -

(3-16)1,000w HEATHKIT's best antenna tuner, dual meters, SWR bridge, 5-ant outputs, $150; SWAN 400 HF 400w PEP xcvr w/VFO, AC pwr supply & SHURE 44D mic, $200: Scotty-KH6TL-727-8836-Vista.

- BK -

(3-15)54'Tri-X "motor up" heavy duty TOWER: Jack-WDODLW-728-0258-Fallbrook.

- BK -

(3-14)Tecktronics OSCILLOSCOPE 50MHz band width, 4 plug-ins, exc cond with new manuals; HP mod 141T spectrum analyizer main frame with 8552B & 8553 plug-ins: Lou-ND6W-437-8351-Coronado.

- BK -

(2-21)YAESU FT-101B xcvr w/CW filter, mike $325; LEADER 144 MHz Ant Tuner w/SWR & wattmeter (.5,20,100w) $50; B&K OSCILLOSCOPE w/hV probe $60; B&K Mod 1400 calibrator $75: Duane-AA6EE-789-3674-Ramona

- BK -

(2-16)Crankup TWR 45'/6el Wilson beam 10-15-20 + 73HD rotor & cables $400; 3el hm brew 12m + 73HD rotor 1yr old, 18' mast $150; mono band 17m + 18' mast & HD73 1yr old $145; gud SWAN 500CX w/pwr sup $150; hm brew 8el Quagi 2m 14' boom $9: Oscar-726-0459-Vista.

- BK -

(2-15)Nicholas Andree of HIWAY COMPANY, intersection of Wisconsin and Hill streets in Oceanside is back in business and wants to sell off all of his electronic goodies as soon as possible. No reasonable offer will be refused. Nick indicates he will also donate 10% to PARC from items sold to amateurs. Here is your opportunity to really get some good "deals" and help the club too. It would be good to give Nick a call at his home first, 967-7225, to make sure he will be at the store.

- BK -

(2-8)COMMODORE C-128D computer, MAGNAVOX 876 RGB Monitor new 2-89, lots software $350; DIGICOM TNC w/paperwork and disks $65: Joe-N6RVO-433-6885-Oceanside.

- BK -

(1-24)'91 North American or International CALLBOOK $24.50, or both $47.95, add $1.55 tax/book; '91 ARRL Handbook $22.95 postpaid; send check to Duane-AA6EE-16832-Whirlwind-Ramona-CA-92065-789-3674eves-Ramona.

- BK -

(1-11)ARRL Repeater Directory 90-91 edition, unused $5; ARRL '90 Handbook, $20; WILSON 1402 6-chan 2w HT, charger, broken duckie (no modulation on xmit), $50; Heath SB-300 rcvr/w speaker & manual, $200: Mike-WB6CSH-leave msg 283-2447-SD.

- BK -

(1-8)HEATHKIT SB-610 monitor scope, $75; NATIONAL RBL-2 Low Frequency rcvr, $75: Dennis-N6KI-271-6079-SD.

- BK -

(1-2)TEN TEC ARGOSY 5-50 watt xcvr with mike, pwr supply, manual: Reasonable Ron-WI6B-756-3133-R.SF.

- BK -

(12-24)95'TOWER free standing, 4x20', 1x15', removed from Oceanside trailer park, want to recover cost of $815 to take down or best offer, can deliver, exec. cond.: Chad-N6ZPU-489-8811 Esc.

- BK -

PALOMAR ARC: IBM Code disk for code practice sessions, free disk; guy rope for antennas and masts from 260-770-1790 pounds breaking strength (4-8-12c/ft, 770-???-1790lbs and 3/32-3/16-5/16" inches); HAM POSTAGE STAMP REPLICA PINS, $5/ea; Stan-W9FQN-749-0276-V.C.

W A N T E D

(3-7)KENWOOD PC-1A & ICOM 22-A: Dennis-N6KI-271-6079.

- BK -

(2-21)Solid-state HF xcvr, HF tuner, Tri-bander: Duane-AA6EE-789-3674.

- BK -

(2-18)John-WB6IQS is looking for a 5' ladder (any type) to reach the equipment stored overhead in the repeater bunker. He also needs a 19" rack or support frame for some electronic equipment 4'-5' tall, 12-16" deep. This is to be used for some battery chargers and electronic monitor-control circuits for the new 3,000 AHr batteries.

- BK -

(2-9)TV ANT rotator; KENWOOD PC-1A: Dennis-N6KI-271-6079.

- BK -

(1-11)ICOM 25A/35A/4SA/24AT accessories: Mike-WB6CSH-leave msg 283-2447.

- BK -

(1-10)January 1991 issue of 73 Magazine (my picture is on page 66): Jo-KB6NMK-741-2560-Escondido.

BK -

(1-5)CURTIS LIL' BUGGER Keyer, ICOM keyer module EX243, and ICOM IC-22A: Dennis-N6KI-271-6079.

- BK -

(1-2)2m mobile transciver: Ray-WA6THC-729-2001

- BK -

(1-2)HEATHKIT HW-8 QRP rig, will pay premium for quality wiring job: Reasonable Ron-WI6B-756-3133.

-BK-

(12-11)a PARC member who can send COMPUTER CODE Friday evenings over 146.730 as a back-up to W9FQN and N6NZX. IBM's and C-64's work fine for this. We would also consider your being able to just play a recorded TAPE which we can furnish to you.

- BK -

D O N A T I O N S

If you don't know what to do with it, donate it to the club. Donated items are sometimes used in club projects or are taken to a swap meet for sale with the resulting $'s going into the club Equipment Fund which pays for equipment used at the repeater site or for Field Day.

M E M B E R S H I P I N F O

NEW: Melvin R. Holmes-N6SJQ, Oceanside; David S. Madrick-WB6DZH, Kaw Gardens N.Y.; John Bancroft-WA6ZJC, S.D.

RENEW: Al-N6GNB & Mickey-N6GWJ

MOVED: Susan Rohrer-N6QDB to U. of Redlands; Andrew Magnet-N6OSR to La Jolla, 558-6627; Betty Mahoney-KB6DGR to 1066 Alvarado Dr, Maplewood, Minnesota 55109 (the traffic net will miss you Betty).

If your address label reads other than 9107, 9207, or 9307, contact Jo-KB6NMK for the correct amount of dues to get you "back-in-step" WHEN it is time for you to renew.

P A R C V E T E S T I N G

FCC LICENSE EXAMS in N.County are conducted by the PARC VE Team at the Joslyn Sr.Ctr, (behind City Hall) 111 Richmar Ave, San Marcos on the 2nd Sat. of the month at 1000 Hrs. Walk-ins are not accepted.

#8-MARCH 9th: 13 applicants, 44 elements, & 34 elements passed = 77% element pass rate.

Since August'90: 86 app, 153 el, 96 passed = 63% el pass rate.

NOVICE: Mary Shettel-Nevber.

NOVICE->TECH: Steve Twuyver-KC6QIC.

0 -> TECH: Mark Criswell, Roy Eyman, Mike Hoggatt, John Levy, Gary Steinberg, Darren Crouse, Phil Goodman, Chuck Huey, Aaron Steinberg, & Jim Witt.

TECH->GEN: Pete Gallagher-pending.

GEN->ADVANCED: Jeff Brown-N6PDP; Mike Doyle-KC6KCQ; Bob Potter-KX6DEP.

EXAM TEAM DEC: Bob Rice-KS6S; Mark Moskowitz-AA6TR, Lloyd Hunt-W6TFB, Jack newlove-AA6UQ, Duane Steadman-WB6R-code; Jack Hanthorn-KI6JM and Bob Chantrill-KE6VX reception, with Rusty Massie AA6OM supervising.

It was a busy test session with many new NO CODE applicants.

Other SANDARC-VEC exams: 1st Sat.El Cajon, 3rd Normal Heights, 4th Chula Vista, & last Escondido ARS.

Applicants must send a SASE (Self-Addressed Stamped Envelope), a completed, signed FCC Form 610 (NO PHOTO-COPIES) and copies of license(s) and certificate(s) of successful completion, if any, to SANDARC-VEC. PO Box 2446, La Mesa, CA 92044 10 days B4 the test date. Bring ORIGINALS of licenses & certificates. Questions: call SANDARC 465-EXAM.

de A A 6 O M, Rusty Masse

G E N E R A L N E W S

Received a nice note from Lloyd-W6TFB with a copy of the SCIENTIFIC AMERICAN April 1991 artical on "Is Morse Code Signing Off?" with a history of the morse code. Sixty percent of page 152 was devoted to the new "CODE FREE" Technician Class license with information on Packet-radio, and 10,000 repeaters. Thanks Lloyd. NEWSWEEK also featured "A NO-CODE HAM LICENSE" which discussed WHAT-HOW-WHEN-WHERE with names of some "speciality" shops. Wonder how HRO got left out of this list?

- BK -

ARRL VE examinations are now costing $5.25 but SANDARC VE exams, such as given by our PARC VE team in San Marcos, still cost "nothing" but a smile and a "thank you."

- BK -

Linda Rohrer-N6YZZ reported an airport shuttle van turned over on I-15 during a hailstorm (3-13-91) which the police were having trouble locating. The van had a commercial radio and had indicated turning over trapping the occupants but they didn't know where they were. Linda was able to report to the police via W9FQN that they were 50' north of the 78 bridge over I-15.

- BK -

Phil Leonelli-WF6L's Potter JR High School (Fallbrook) is again going to try to establish contact with the STS-37 launch vehicle. Besides talking to the astronautes, they hope to be able to receive pictures from space. We wish them good contacts. Phil and Art-WA6IPD have been doing a great job with these youngsters.

STS-37 Mission Frequencies-down Lnk:

Voice or SSTV: 145.550

Packet: 145.510

SAREX updates are on:

NAN	3.860	7.165	14.295	21.395	28.650
RRR	3.850	7.227	14.280	21.350	28.495
VIO	-	-	14.270	21.340	224.04
MF	3.840	7.165	-	-	145.58

These frequencies are for WA3NAN-Goddard, W5RRR-Johnson Space Center, W6VIO-JPL, and K6MF-Bay area respectively as published by 73 magazine.

- BK -

James-N6WTE indicates that if you are wanting to put up a tower in the Vista area that you need to reference Vista Ordinance of the City Code, 18.58.520 which relates to Amateur Radio Antennas, Maximum

Height. Otherwise, they will want to cause you all sorts of problems and charge you an arm and a leg.

- BK -

According to Hal Grigsby of the SD-FCC, pirate radio stations or unauthorized operations should be reported to his office as soon as possible. We would like to suggest PARC be informed first.

According to one of our new members, Janet Hafner-KC6GFY, her HT has come in handy several times without ever having had to transmit. She has only needed to "show" the HT to keep several "suspicious" people away from her. (Ed note: my family of three women have been instructed to transmitt (KA6FPS, N6YZZ, & N6QDB) or pretend to talk when stopped by the police or when bothered by someone. It makes problem people think twice when they know (or think) that someone else is aware of them.) Now if we could just get Janet to look for the push-to-talk switch on that HT!

- BK -

Betty Mahoney-KB6DGR's new address is 1066 Alvarado Dr, Maplewood, MN55109. Betty, many thanks for your help and suggestions while a PARC member! Here is a part of her "fairwell" letter to PARC:

" ..I'm one of the few members who never made a meeting ..but don't have to be a meeting goer to enjoy the many fine amateurs that are part of the Palomar group ..thank you for being there ..when I fist became a Ham, 146.73 was where I found my niche ..listened to Traffic Net ..then finally jumped in and got my feet wet in 1984 ..will miss all the folks who made Ham Radio so exciting for me ..the many friends I have made through the Net & Facaetious Group I hope will be lasting ..hope to get into HF back there, so maybe I will talk to some of you that way ..hope to see you on Packet ..will find a path by hook or by crook-can't have my adopted daughter & son on Palomar Mountain forget me too easily ..besides I have to agitate someone. If you ever get to Minnesota be sure to look me up. God Bless you & All, 73 Betty-KB6DGR. P.S.-King Henry, I will keep up with the "Mudd Wrestling" & maybe check with you on 10m - pay attention, I may ask questions!" (for years I have heard them talk about "Mudd Wrestling" and I still don't know what it is - W9FQN)

- BK -

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-KI6GI-
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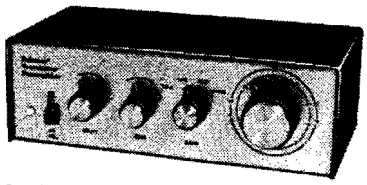
8911 La Mesa Blvd., Suite 103
La Mesa, CA 92041

And from Ralph-K6HAV and Pat-N6INN, "..18 straight days where the temperature never got up to 32 deg ..one day the warmest was 2 deg and -11 at night ..cars and retired Marines get cranky and slow starting in those temperatures ..we have inversions here that make the L.A. smog look like clear desert air ..cold air brings fog off the lake and the ground and the inversion holds it in the Great Salt Lake Valley and the junk from the refineries, smelters, and vehicles joins in and makes a fine whitch's brew out of it ..think my dear spouse is beginning to believe this might not be a great place to live in the winter ..she whent out in the dark one evening (1-6-91) and slipped on an icy patch, fell and broke the radius of her left arm right at the elbow ..we have Tuesdays off ..work 75M into SoCal up to 0800 our time ..de K6HAV & N6INN.

PREAMPLIFIER



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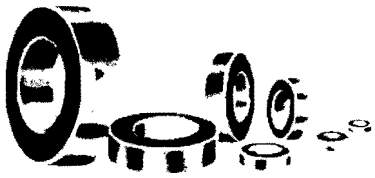
An RF sensing circuit bypasses the preamplifier during transmit. The bypass handles 350 watts.

Model P-410X (for 115-v AC) or Model P-412-X (for 12-v DC) $164.95. Model P-408 (SWL receive only for 115-v AC) $139.95.

Add $4 shipping/handling in U.S. & Canada. California residents add sales tax.



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- **Shielding Beads**
- **Ferrite Rods**
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Tel. (619) 747-3343

And from Tom-N4KRA (former 8pm Net Traffic Manager) ..hi to everyone .. little traffic work here

in Pennsylvania near Beaver ..bad luck, reservests killed by SCUD attack were from here ..think of all you traffic handlers at PARC ..best wishes for the new year! Son Tommy is on 10m with the call KA3YCZ most afternoons ..see if you can contact him ..73, Tom.

- BK -

The military has a new antenna: Eyring 300 series. The 101st Airborne wrote in saying that in contrast to vertical antennas, the ELPA 300 lays flat on the ground and can even be buried, yet receives and transmits more effectively than a 15' vertical antenna. ELPA's can be linked together for extended range - doubling the power. de K6HAV. (Sounds great for those of you with antenna restrictions and it would appear that a dipole 1' above the ground with a wire under it would be about the same and give you 80m coverage with NO skip zone out to several hundred miles (Ed))

- BK -

It appears as though it is costing PARC about 8c/copy to mail the SCOPE using 2nd class and pre-sorting everything or about $30 per month.

- BK -

Our nearest Mexican Consulate is in San Diego, (619) 231-8423.

- BK -

Frank Cassin-N6AT, after MANY years of service as the club's OFFICIAL BULLETIN station, has requested to step down and let somone else copy the ARRL's CW bulletins. In the past Frank has read the bulletins on the Sunday morning ARES net and at club meetings. We need a CW operater to copy these CW bulletins and provide the club with a copy for information to its members. Anyone interested in helping us out? Frank has also been the club's ARRL liaison (ARRL assistant director) and would like to relinquish this position also. Assistant Directors receive free the by-weekly "The ARRL Letter" to help keep their clubs informed (through club nets, meetings, newsletters, etc.). They also receive other occasional mailings from ARRL HQ and the SOUTHWESTERN Division director, Fried Heyn-WA6WZO. Anyone interested in helping the club with this position?

- BK -

The Marines have just "developed a new 'packett mail' system: error free, 1,200 bytes/s, automatic forwarding, and range beyond the UHF horizon." Wow, what they won't think of next! de K6HAV.

- BK -

Jack-WDODLW, Mark-KC6CZO and Dennis-K7DCG have been appointed by Art-W6INI, the San Diego Section Manager, to be our local leaders for the Amateur Radio Emergency Service (ARES). Since they have no current records on the ARES members in these two areas, they would like to have you fill out the enclosed application blank and give it to them at the next club meeting or to a PARC officer. It appears as though PARC will be supporting the three groups with our members and emergency equipment resources (trailers, generators, antennas, & repeaters). I suspect that Mark (PARC & EARS) will be working mainly with the Escondido Amateur Radio Society (EARS), Dennis with the Poway ARS, and Jack mainly with PARC. They (W6INI, WDODLW, K6DCG, & KC6CZO) will need your support and we hope that they will send planning information to the SCOPE for publication.

Don't forget the 8:30am PARC Emergency Information net on Sunday mornings where we give the latest emergency and ARES information. We would also like to have you check the input to the repeater during roll call to see how many of the stations you can hear directly on 146.130. An HT sitting beside you base station could be used to copy W6NWG and your base rig for 146.130. This will give you some idea of your simplex coverage from your location in times of emergency. North S.D. Co. is divided up as follows:

Jack-WDODLW, TRI-CITY, 92003, 007, 008, 009, 014, 024, 028, 054, 055, 067, 068, 075, 083

Mark-KC6CZO, NORTHERN, 92025, 026, 027, 029, 060, 061, 069, 082

Dennis-K7DCG, N'EASTERN, 92004, 036, 064, 066, 070, 086, 128, 129

Everyone should check to see which district you fall under. If your zip is missing, please let me know so I can publish an up-to-date listing next issue. (de W9FQN)

- BK -

George (Doc) Saltzberg-N6UZG who left the S.D. area for West Linn, Oregon, has now changed his call sign to N7ONZ.

- BK -

Dennis-N6KI(9) has now been replaced by R.F. Krist-W6KTE for the most amateur radio call signs:

3D2RK	KA5MC	5W1AO	FOORK
ZL3AFK	FOOKTE	G5CJL	VK2BCE
PY2ZDH	GW5CJL	EI2VPF	GM5CJL

W6KTE/CE3-CE7-KH6-VU2-YU2-9N1-OA4-VS6-EA4-HS1-(total = 23.

W6KTE also holds CXCC-1 Honor Roll, DXCC eyeball 100, WAZ, WAC, QCWA, OOTC, and SB DXCC - and worked several TV sets and telephones.

Moving into second place is Duane Heise-AA6EE with 10 calls:

WNOHAW WOHAW K9EWB WA6ORJ AA6EE
XE2GCK XE2/AA6EE NRBN(MARS)
K6CUX(Chief Opr) K9BJV(Chief Opr)

N E T S

146.73 W E E K L Y E V E N T S

M->S 2000 S.D.Co Traffic Net
(except 1st Wed club meeting)
MON 2100 Microwave Net
TUE 2100 S. D. Pkt. Voice Net
WED 2100 Code Practice Net
THU 2100 Ham Help Net
FRI 2100 Open, suggestions?
SUN 0830 PARC Emergency Service
SUN 1000 Sailboaters check-in
SUN 2100 ARES Planning Net
MON 1930 RACES Net on 147.195

8pm T R A F F I C N E T S

Our 2000Hr traffic net has really

been meeting the challange of all the MARS traffic from Saudi Arabia. Here are some of the stats for the past five months:

	msg/day	ck-ins	
Oct.	2.6	9.1	Highest msg
Nov.	2.6	10.8	count in Feb
Dec.	5.2	8.5	was 20 msgs
Jan.	3.8	12.5	& next high
Feb.	7.2	10.8	was 16 msgs.

Some of the nets lasted over an hour and ran into the 9pm special interest nets. The highest in March so far is 26 messages for one net.

Our thanks go to all of the net members, net controls, net managers, and espcially to Joe-N6RVO, and Bob-KG6VX for taking traffic to SCNV on 146.850 at 9pm. and bringing it back to our net the following day.

If you are a new ham, you ought to consider getting your feet wet sometime and see if you can handle some messages for the club. We need reserve net controls and especially members who can make the SCNV net on 146.850 at 9pm.

Also a special vote of thanks to those net members who took messages from the net and called long distance to deliver them to our service families.

- BK -O T H E R N E T S

The NORTY COUNTY SUNDAY EVENING ARES net meets each Sunday evening at 2100pm starting sometime in April. This net is for ARES card carrying members.

The PARC Emergency Net still meets Sunday mornings at 8:30am and gives emergency planning information for North County and the latest Amateur Radio Emergency Service (ARES) information. This net is open to all.

The San Diego ANIMAL RESCUE NET meets on 147.130 during emergencies and has priority use of the frequency unless ARES has overflow and needs the autopatch. ARES has priority use of 146.730 during emergencies.

The RADIO AMATEUR COMMUNICATIONS EMERGENCY SERVICE (RACES) NET meets each Monday at 7:30pm on 147.195. Except for net nights, the RACES repeater uses a PL of 114.8 Hz but not for this net. Contact Frank-WB6HFE on the 8:30am Sunday net on 146.730 for more information about RACES.

ANIMAL RESCUE RESERVE (ARR)
San Diego Humane Society & S.P.C.A.
887 Sherman St, SD 92110-4088
Ph (619)299-7012

The Animal Rescue Reserve group has been assigned by PARC 147.130(+) to use during emergencies. They also have use of the autopatches on that frequency while ARES will be using 147.130(-).

ARR works closely with the California Department of Forestry (CDF) and its VIP Program in addition to the Humane Society. The frequencies they use are:

N.Co. 147.130(+) S.Co. 146.640(-)
E.Co. 146.265(+) Patch 147.885(-)

If you would like to join ARR, contact 789-8689 for more information. Most of their emergencies lately have been connected with horses and fires. They use communications on 2m for scheduling the moving of horses and other animals by trailer out of the fire area into a "safe" storage area. In the past they "have also been called out to locate lost animals, transport or check on beached seals or sea birds with broken wings, etc." In January they had a "behind the scenes" tour of SEA WORLD to learn about the handling of sea birds and other mammals. They started a two hour Ham Operator Class January 10th at the S.D. Humane Society on Sherman which meets for 10 weeks working towards a Tech license.

"On December 15th they worked on picking up 18 abandoned horses, some dogs and puppies from Campo. The horses were haltered, loaded, transported, weighed, tagged, and put away at the Poway facility with little trouble."

D I S C L A I M E R S

Meetings at LINCOLN MIDDLE SCHOOL are NOT a function of the Vista Unified School Dist. & are NOT sanctioned by the school Dist. Board of Trustees. See!

Unless specifically stated to be club policy, opinions and statements set forth herein do not necessarily represent club policy even though the president is the temporary Editor. Nor do they necessarily represent the opinions of the authors on other occasions or under different circumstances. The Editor further disclaims any knowledge of anything - real or imaginary. Verily. I really wonder if anyone really reads this?

You can copy anything out of the SCOPE you want as long as you give credit to THE PALOMAR AMATEUR RADIO CLUB, Inc., and author(s).

P O T P O U R R I

An incomplete survey of club members indicates a minimum of 15% (57/372) using the 2m repeaters. We suspect it is nearer 50% since we only surveyed members at the last club meeting

- BK -

According to the metropolitan Water District of SoCal, the odds of a major Bay Area earthquake in the next 30 years just went up from 1 in 2 to 2 in 3! Wonder what the odds are for the L.A. area are?

- BK -

Found an old August 1965 73 MAGAZINE in a pile of donated items ..the first page opened to was an artical on THE EHS PORTABLE DIPOLE 80 THRU 6 written by Stanley E. Rohrer, W9FQN, at Elkhart High School in Indiana! It worked every frequency from 3.5MHz to 2M using only 75 ohm coax and wire. Those were the "good ole days."

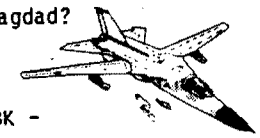
- BK -

OVERHEARD on 146.73

Did you hear about the new supermarket in Bagdad?

No.

Target!



- BK -

- 73 W 9 F Q N -

AMATEUR RADIO EMERGENCY SERVICE

by Jack WDODLW & Mark KC6CZO

You and your radio(s) are needed for upgrading the ARES here in the North County Districts of the San Diego Section.

The EC's of the Northern and Tri-City districts are looking for many good "HAMS"!! Hopefully we can count on you in times of emergencies. Training sessions and field exercises are presently in the planning stages but will be starting soon. Don't miss 'em!!! They will detail, to all, the needs and operations of ARES. If you have not filled out a registration form within the past few months, please do so now. Of course all you NEW, interested Hams, please register. Note the RACES check box! If you are currently a RACES member check this box, and if you have an assignment please indicate what / where it is! We will try to make the same assignment for ARES!!

At the present time we are in the process of designing / inplementing a combined Northern / Tri-City Districts "ARES" net. The net will be on the PARC 146.73(-) repeater Sunday evenings at 2100 (9pm) hours. If you have any questions, please call one of the EC's listed. We are looking forward to a very "strong" North County ARES Group.

Tri-City Dist.EC	Northern Dist.EC
Jack Honts WDODLW	Mark Ross KC6CZO
728-0258 Fallbr'k	742-1539 Pauma V

Mail to:

EC

CHAYLON N. HONTS
WDØDLW
244 N. Stage Coach Ln.
Fallbrook, CA 92028

To All Radio Amateurs:

The Amateur Radio Emergency Service (ARES) is a voluntary organization of licensed radio amateurs who have registered their capabilities and equipment for providing emergency communications as a public service to the community. The purpose of the ARES is to furnish communications in the event of natural disaster, when regular communications fail or are inadequate. Sponsored by ARRL, the ARES functions at the local level to meet local communications needs.

The ARES has a long history of public service going back to its formal inception in 1935. Since that time the ARES has responded countless times to communications emergencies.

Experience has proven that radio amateurs respond more capably in time of emergency when practice has been conducted in an organized group. There is no substitute for experience gained *before* the need arises.

The ARES in each locality operates under the direction of the Emergency Coordinator (EC), whose function is to direct the activities of the ARES to maintain a state of readiness.

1. Name: | 2. Call:

AMATEUR RADIO EMERGENCY SERVICE
REGISTRATION FORM

3. Address:

4. City: | 5. State Prov.: | 6. Zip:

7. County: | 8. Home phone: | 9. Bus. phone:

10. License Class: | 11. Primary radio interest:

12. (Circle bands you can operate)

	CW:	160	80	40	20	15	10	.....			
440	PHONE:	160	75	40	20	15	10	6	2AM	2FM	220
440	MOBILE:	160	75 80	40	20	15	10	6	2AM	2FM	220

13. Can your home station operate without commercial power? ☐ YES ☐ NO
If yes, what bands? 160 75/80 40 20 15 10 6 2AM 2FM 220

HF equipment, make and model | VHF equipment, make and model

HF antennas, fixed, type | VHF antennas, fixed, type

HF antennas, portable, type | VHF antennas, portable, type

→ NOTE: Portable antennas must be complete with mast, guys, stakes, co-ax, and other hardware.

Emergency power equipment and rating | COMPUTER:

HF phone patch ☐ | VHF phone patch ☐

Shelter and transportation
Trailer ☐ Van ☐ Motor Home ☐
Camper ☐ Jeep ☐ 4WD ☐
Tent ☐
Other:

PACKET:

Drivers license Number: State:

Date of birth

I (am) (am not) available for non-emergency public service communication.

15. Signed: | 16. Date: 19.....

2-83
SD-INI

Remarks or limitations
☐ Avbl for Red Flag Patrol
☐ Thos Bros map
☐ Binoculars
☐ Mag mt for ___ band
☐ Lgtr plug pwr cord
Days off _____

☐ RACES _____
(assignment)

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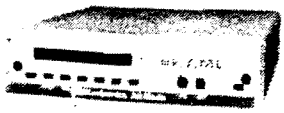

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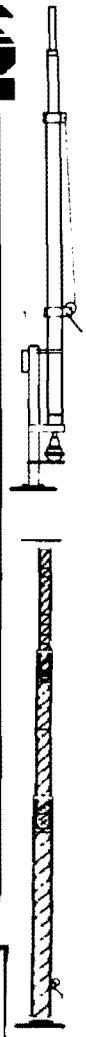

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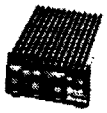

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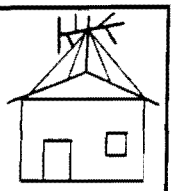

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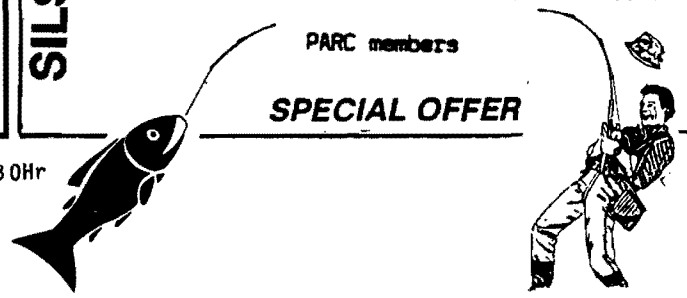
EXTRA 10% TO ALL 'HAMS' WEAR YOUR HAM CALL TO RECEIVE.

SILSTAR MUSTAD MASTER SHIMANO

W7HKI " LARRY" & W7HKL MAXINE

PARC members

SPECIAL OFFER



P A R C A P P L I C A T I O N Membership chairwoman: Joe Ashley, K B 6 N M K

Mail form with $$ to PARC, P. O. Box 1603, Vista, CA 92085-0530 or hand to Jo-KB6NMK, at club meetings. Dues (including SCOPE) are $12 a year plus $9 for each additional licensed family member. Dues are prorated for NEW members: Aug, Sep, Oct $12; Nov $9; Dec $8, Jan $7, Feb $6, Mar $5, Apr $4, May $3, Jun $2, Jul $1. Old members (1yr) $12. Consider paying for two or three years at a time. Call, name, and complete address are required. Telephone number may be un-unlisted in roster if requested. Other information requested below may be omitted if you feel uncomfortable providing it to the club. Complete and cut on pounds of lion - or COPY.

Call_____ Name_____

License Expires_____ Home Address_____

License Class_____ City_____ State____ 1st 5 Zip_____ +4 -_____

Old Calls _____ Home Phone # _____ Work Phone # _____

Year 1st licensed_____ Birth date_____ Thomas Brothers location, page #_____ (ie., pg 8, D6) coord_____

Names & call of family members in PARC _____

ARRL____ RACES____ ARES____ Red Flag____ Blood donor____ Type____ Comments:_____

_____

_____

################################### pounds of lion ##

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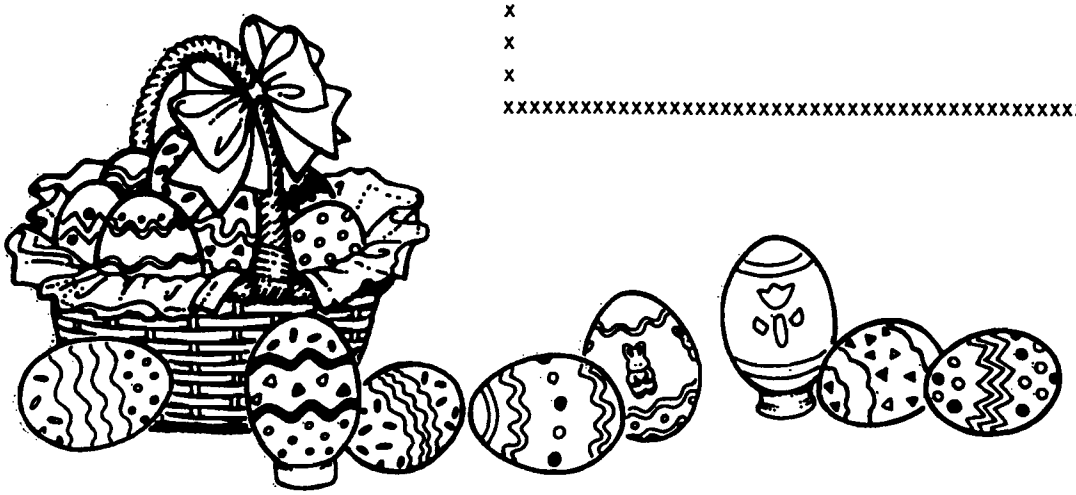
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